						Complete if Known	
INFORMATION DISCLUSURE					Application Number	10/045,170	\$ a
(use as many sheets as necessary)					Filing Date	October 22, 2001	25.8
	(use as many sneeds as necessary)				First Named Inventor	Yongchang Qiu et al	
					Group Art Unit	1743	
					Examiner Name	Walleshorst	
Sheet	1	of	2		Attorney Docket Number	GII5412AUSA	

				U.S. PATENT DOCUMEN	TS	
Examiner	Cite	U.S. Patent D	Ocument	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Initials*	No.¹	Number	Kind Code ² (if known)		MM-DD-YYYY	
mw	AA	4,977,320	B1	S. Chowdhury	12/11/1990	
	AB	5,245,186	B1	B. Chait	09/14/1993	·
MU	AC	5,288,644	B1	R. Beavis	02/22/1994	
1mu	100	5,453,247	B1	R. Beavis	09/26/1995.	
- poly	+	5,643,798	B1	R. Beavis	07/01/1997	
MW MW	AE AF	5,792,664		B. Chait	08/11/1998	

				FOR	EIGN PATENT DOCUMENTS	·		1_,
Examiner Initials	Cite	1	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T.
	No.1	Office ³		i Code ³ (nown)		WIWI-DD-1111		\perp
mh	AL	wo	WO93/24834	A1	B. Chait	12/09/1993		1
<u> </u>	AM	wo	WO91/04781	A1	R. Beavis	04/18/1991		-
MW MW	AN	wo	WO00/11208	A1	R. Aebersold	03/02/2000	<u> </u>	1
11(0)								

Examiner Signature Maurel Wallehorst Signature in conformance with MPEP 60	Date Considered	1-20-04 Ligh citation if not in conformance and not considered.

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

1440A/PTO		Complete if Known
Substitute for Form 1449A/PTO INFORMATION DISCLOSURE	Application Number	10/045,170
STATEMENT BY APPLICANT (use as many sheets as necessary)	Filing Date	October 22, 2001
(use as many should be made as a	First Named Inventor	Yongchang Qiu et al
	Group Art Unit	(743
	Examiner Name	Walleshorst
Sheet 2 of 2	Attorney Docket Number	GII5412AUSA
Billot -		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	T'
Examiners	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
mw	AR	E. KRAUSE et al, "The Dominance of Arginine-Containing Peptides in MALDI-Derived Tryptic Mass Fingerprints of Proteins", Analytical Chemistry, 71(19)4160-4165 (October, 1999)	
mW	AS	M. MANN, "Quantitative Proteomics?", Natue Biotechnology, 17:954-955 (October, 1999)	<u> </u>
mu	AT	S. SECHI et al, "Modification of Cysteine Residues by Alkylation. A Tool in Peptide Mapping and Protein Identification", Analytical Chemistry, 70(24):5150-5158 (December, 1998)	
mu	AU	S. GYGI et al, "Quantitative Analysis of Complex Protein Mixtures Using Isotope- Coded Affinity Tags", Nature Biotechnology, 17.994-999 (October, 1999)	
ww	AV	D. FENYO et al, "Protein Identification Using Mass Spectrometric Information", Electrophoresis, 19:998-1005 (1998)	
1 100			1
· ·			
	-		

	· 1 · 1	Date	12224
Examiner	1101/01/01	Considered	1 20 0 1
Signature		O Draw line throu	igh citation if not in conformance and not

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-00)

ease typ	e a plus sign (+)	inside his box →	13	PTO/SB/08B (08-00)
		ADEMARIA	· ·	Complete if Known
•	r Form 1449A/PTO TION DISCLOSURE		Application Number	10/045,170
STATEME	NT BY APPLICANT		Filing Date	October 22, 2001
	(use as many sheet	as necessary)	First Named Inventor	Yongchang Qiu et al
			Group Art Unit	1743
		.*	Examiner Name	Walleshorst
	ı of	1	Attorney Docket Number	GII5412AUSA
Sheet	l of	1	Examiner Name	Wallestorst GII5412AUSA

Sheet		!						
			OTHER PRIOR ART	r non patent litera	TURE DOCUMENTS			
Examiners Initials	Cite ·	Include name of the	e author (in CAPITAL L catalog, etc.), date, page	LETTERS), title of the article (ve(s), volume-issue number(s), p	when appropriate), title of the ublisher, city and/or country v			T²
MU	AW	Y. QIU et al	l, "Isotope-Code Protein Identific Ionization Mass	ed Ionization-Enhand leation and Quantitat a Spectrometry", U.S.	cing Reagents (ICH	ER) for High- ssisted Laser	,708,	
							* * * * * * * * * * * * * * * * * * * *	
	-		<u> </u>					
						· · · · · · · · · · · · · · · · · · ·		+
	1							+
				,		<u>_</u>		
	+					•		
	-							
								+
								+
	+							

Examiner Signature	Maureen Wallerhoust	Date Considered	1-20-04 ugh citation if not in conformance and not

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Please Type a plus sign (+) inside this box → ±

PTO/SB/08A (08-00)

Substitute fo	or Form 1449A/PT	o			Complete if Known
	ATION DISCLOS			Application Number	10/045,170
	(use as man		necessary)	Filing Date	October 22, 2001
				First Named Inventor	Yongchang Qiu et al
				Group Art Unit	1743
				Examiner Name	Walleshorst
Sheet	1	of	2	Attorney Docket Number	GII5412AUSA

U.S. PATENT DOCUMENTS									
Examiner	Cite	U.S. Patent D	ocument	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
Initials*	No.1	Number	Kind Code ² (if known)	Cited Document	MM-DD-YYYY	rassages of refevant rightes Appear			
mu)	AG	5,306,562	B1	G. Barany	04/26/1994				
						1 7			
					- t	C IE I			
						ンE 19 17			
						IVI 2002 00			

•					FOR	EIGN PATENT DOCUMENTS			
Examiner Initials* Cite No.1		Foreign Patent Document				Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	Te
		Office ³	Number ⁴	Kind ((if kn	Code ⁵ lown)		MM-DD-YYYY	Passages or Relevant Figures Appear	
	EP	1,059,531		A1	A. Nordheim	12/13/2000			
								·	
							¥ 3		
	-				,				

Examiner Signature	mauries	Wallerhorst	Date Considered	1-20-04

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ¹See attached Kinds of U.S. Patent Documents. ¹Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¹For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-00)

() IET / 3 LOUIS BE	
Please sign (+) inside this box → 🛨	

Substitute for Form 1449A/PTO			Complete if Known			
INFORMATION DISCLOSURE				Application Number	10/045,170	
STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	October 22, 2001			
(use as many sieces as necessary)			,,	First Named Inventor	Yongchang Qiu et al	
				Group Art Unit	1743	
				Examiner Name	Wallenhorst	
Sheet	2	of	2	Attorney Docket Number	GII5412AUSA	
Sheet	(use as many	· 11	necessary)	First Named Inventor Group Art Unit Examiner Name	Yongchang Qiu et al 1743 Wallenhorst	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	T²							
Examiners Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.								
mω	AX	E. KALEF et al, "Arsenical-Based Affinity Chromatography of Vicinal Dithiol-Containing Proteins: Purification of L1210 Leukemia Cytoplasmic Proteins and the Recombinant Rat c-erb Aβ1 T3 Receptor", Analytical Biochemistry, 212(2):325-334 (August, 1993)								
		コー品								
		C TO TO								
		9 VED	-							
,										
			-							

Examiner (M.1.1.4	(م)	alleshorst	Date Considered	1-20-04	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.